

What's New with Sediments?
**USACE Manual - "Evaluation of Dredged Material Proposed for Placement in Nearshore
or Upland Confined Disposal Facilities – Testing Manual"**

(Proposed 5 minute overview)
By Dr. Michael R. Palermo
USACE Waterways Experiment Station

This new testing manual is the "CDF" companion to the USACE/EPA technical framework and the joint EPA/USACE Ocean Testing and Inland Testing Manuals, now used to assess open water placement of dredged material under the MPRSA and CWA. The new manual, commonly referred to as the UTM, is developed to provide technical guidance on testing and evaluation procedures for diked upland, nearshore, and island CDFs. Procedures to assess the effluent, runoff, leachate, volatile, and plant and animal uptake contaminant migration pathways are covered by the manual. A tiered evaluation approach is used for evaluations, incorporating screening level tools and definitive water quality and biological tests for each of the pathways. The procedures provided in the manual are directly applicable to CDFs used for sediment remediation.

Michael R. Palermo, PhD, PE
Director, Center for Contaminated Sediments
U.S. Army Engineer Research and Development Center
Waterways Experiment Station, Attn: CEERD-EP-S
3909 Halls Ferry Road
Vicksburg, MS 39180-6199
Voice 601 634 3753
Fax 601 634 3707 or 4263
email palermm@wes.army.mil